

Special Issue

Advances in Molecular Research and Treatment of Asthma

Message from the Guest Editors

Asthma is a heterogeneous disorder affecting more than 300 million people worldwide. The management of asthma, particularly severe asthma, has profoundly changed in recent years as a consequence of the characterization of different endotypes, producing specific features in each patient.

We want to focus on asthma phenotypic clusters linked to different cellular pathways, the development of novel biomarkers, molecular mechanisms predisposing exacerbations, delineation of inflammatory pathways with omics analyses, genetic and environmental drivers, epigenetic mechanisms operating from childhood to adulthood, characterization of endotypes, implications for therapy and the role of biologics in specific targeted therapy. Finally, we want to highlight the role of long-lasting bronchodilators/anti-inflammatory drugs and their administration through novel and simpler inhalation devices.

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